

PROVIDING REAL-TIME CONTROL DATA
FOR A NETWORK PROCESSOR

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Abstract of the Disclosure

A multiprocessor includes a module configured to collect status data, one or more processing engines, and a push engine. Part of the status data is collected from devices connected to a bus and indicates readiness of the 10 devices to participate in data transfers over the bus. The processing engines schedule transfers of data packets between the processor and the devices. The push engine performs unsolicited transfers of a portion of the status data to the processing engines in response to the module 15 collecting new status data.

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